

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/06958

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K11/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, MEDLINE, PAJ, CHEM ABS Data, SEQUENCE SEARCH, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | WO 02 26775 A (SHI YIGONG ;UNIV PRINCETON (US)) 4 April 2002 (2002-04-04)<br>abstract<br>page 4, line 21 -page 5, line 21<br>figures 1,6,9<br>page 14, line 1 -page 15, line 16<br>claims 1-32 | 1-21                  |
| X          | WO 02 16402 A (UNIV TEXAS)<br>28 February 2002 (2002-02-28)<br>abstract<br>page 2, paragraph 3 -page 3, paragraph 3<br>page 4, paragraph 2 -page 7, paragraph 2<br>claims 1-17                 | 1-21                  |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

**\* Special categories of cited documents:**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

28 August 2003

Date of mailing of the international search report

22.12.03

Name and mailing address of the ISA

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Fax: (+31-70) 340-3016

Authorized officer

Keller, Y

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International Application No.  
PCT/EP 03/06958

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-21 all partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No: 1

2. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:2

3. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:3

4. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:4

5. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:5

6. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:6

7. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:7

8. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:8

9. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:9

10. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:10

11. Claims: 1-21 all partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:11

12. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:12

13. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:13

14. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:14

15. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:15

16. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:16

17. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:17

18. Claim : v

Peptide suitable to induce apoptosis of SEq ID No:18

19. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:19

20. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:20

21. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:21

22. Claims: 1-21 all partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:22

23. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:23

24. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:24

25. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:25

26. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:26

27. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:27

28. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:28

29. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:29

30. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:30

31. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:31

32. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:32

33. Claims: 1-21 all partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:33

34. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:34

35. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:35

36. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:36

37. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:37

38. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:38

39. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:39

40. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:40

41. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:41

42. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:42

43. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:43

44. Claims: 1-21 all partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:44

45. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:45

46. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:46

47. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:47

48. Claims: 1-12 all partialy

Peptide suitable to induce apoptosis of SEq ID No:48

49. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:49

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Peptide suitable to induce apoptosis of SEq ID No:50

51. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:51

52. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:52

53. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:53

54. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:54

55. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:55

56. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:56

57. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:57

58. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:58

59. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:59

60. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:60

61. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:61

62. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:62

63. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:63

64. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:64

65. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:65

66. Claims: 1-21 all partially



FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:66

67. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:67

68. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:68

69. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:69

70. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:70

71. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:71

72. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:72

73. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:73

74. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:74

75. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:75

76. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:76

77. Claims: 1-21 all partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:77

78. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:78

79. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:79

80. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:80

81. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:81

82. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:82

83. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:83

84. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:84

85. Claims: 1-21 all partially

Peptide suitable to induce apoptosis of SEq ID No:85

86. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:86

87. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:87

88. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:88

89. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:89

90. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:90

91. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:91

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Peptide suitable to induce apoptosis of SEq ID No:91

93. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:92

94. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:94

95. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:95

96. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:96

97. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:97

98. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:98

99. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:99

100. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:100

101. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:101

102. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:102

103. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:103

104. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:104

105. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:105

106. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:106

107. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:107

108. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:108

109. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:109

110. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEQ ID No:110

111. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEQ ID No:111

112. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEQ ID No:112

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Peptide suitable to induce apoptosis of SEQ ID No:113

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Peptide suitable to induce apoptosis of SEQ ID No:119

120. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEQ ID No:120

121. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:121

122. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:122

123. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:123

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Peptide suitable to induce apoptosis of SEq ID No:124

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Peptide suitable to induce apoptosis of SEq ID No:125

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Peptide suitable to induce apoptosis of SEq ID No:126

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Peptide suitable to induce apoptosis of SEq ID No:129

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Peptide suitable to induce apoptosis of SEq ID No:130

131. Claims: 1-21 all partialy

Peptide suitable to induce apoptosis of SEq ID No:131

132. Claims: 1-21 all partialy

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Peptide suitable to induce apoptosis of SEq ID No:132

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/06958

| Patent document<br>cited in search report |   | Publication<br>date |    | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----|----------------------------|---------------------|
| WO 0226775                                | A | 04-04-2002          | AU | 9318901 A                  | 08-04-2002          |
|   |   |                     | AU | 9645701 A                  | 08-04-2002          |
|   |   |                     | EP | 1346290 A2                 | 24-09-2003          |
|   |   |                     | WO | 0226775 A2                 | 04-04-2002          |
|   |   |                     | WO | 0227534 A2                 | 04-04-2002          |
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|   |   |                     | WO | 0216402 A2                 | 28-02-2002          |